CLAIMS

1. A recording apparatus capable of generating management data so that a system stream with an audio stream and a video stream multiplexed therein can be managed as one recording unit from a recording start to a recording end corresponding to the recording start and also a plurality of recording units can be managed as another management unit, and also recording the system stream and management data,

characterized in that data for determination changing each time data corresponding to said recording unit is recorded in the recording medium is generated based on the management data and is recorded in the recording medium;

said data for determination recorded in the recording medium is compared to the management data to determine a recording apparatus having the recording unit for data recorded last, and said management unit is switched according to a result of said determination.

2. The recording apparatus according to claim 1,

characterized in that said data for determination is time information of said recording unit recorded last in the recording medium.

3. The recording apparatus according to claim 2,

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characterized in that said time information

comprises the recording start time and recording end time.

4. The recording apparatus according to claim 1,

characterized in that said data for determination

is assigned to said management data and is recorded in

said recording medium.

5. A recording method for a recording medium

enabling generation of management data so that a system

stream with an audio stream and a video stream

multiplexed therein can be managed as one recording unit

from a recording start to a recording end corresponding

to the recording start and a plurality of recording units

can be managed as another management unit, and recording

said system stream and said management data in a

recording medium, said method characterized in that it

comprises the steps of:

generating data for determination changing each

time said recording unit is recorded in said recording

medium based on said management data and recording said

data for determination in said recording medium; and

determining a recording apparatus having recorded

said recording unit recorded last by comparing said data

for determination recorded in said recording medium to

said management data and switching said management unit

based on a result of said determination.

6. A program for a recording method for a recording medium for making a computer controlling operation of a recording apparatus execute a prespecified sequence of processing steps,

wherein said processing sequence is executed for generating management data so that a system stream with an audio stream and a video stream multiplexed therein can be managed as one recording unit from a recording start to a recording end corresponding to the recording start and also a plurality of recording units can be managed as another management unit, and also for recording the system stream and management data in a recording medium, said sequence characterized in that it comprises the steps of:

generating data for determination changing each time said recording unit is recorded in said recording medium based on said management data and recording said data for determination in said recording medium; and

determining a recording apparatus having recorded said recording unit recorded last by comparing said data for determination recorded in said recording medium to said management data and switching said management unit based on a result of said determination.

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